

April 13, 2005
RRM Project# FA19

Mr. Tom Sayles
Regional Water Quality Control Board
Central Coast Region
895 Aerovista Place, Suite 101
San Luis Obispo, California 93401-7906

Re: *Groundwater Monitoring Results – Second Quarter 2005*
Commercial Warehouse
Wylie Property
320 Coral Street
Santa Cruz, California

Dear Mr. Sayles:

This document, prepared by RRM, Inc. (RRM) on behalf of Mr. James Wylie, presents the results of the second quarter 2005 groundwater monitoring event conducted on April 5, 2005 at the referenced site (Figures 1 and 2). A summary of the methods and findings of the groundwater monitoring event is presented below.

GROUNDWATER MONITORING RESULTS

Depth-to-water data were measured in and groundwater samples were collected from on- and off-site monitoring wells MW-1, MW-2, and MW-3 on April 5, 2005. Groundwater samples were analyzed for the presence of gasoline range total petroleum hydrocarbons (TPHg) by Method GC/MS (consistent with Environmental Protection Agency (EPA) Method 8260B); and benzene, toluene, ethyl-benzene and xylenes (collectively BTEX) and the fuel additives methyl tertiary butyl ether (MtBE), tert-Butanol, Diisopropyl Ether, and tert-Amyl Methyl Ether by EPA Method 8260B. In addition, as directed by the Regional Water Quality Control Board in a letter dated March 23, 2005, RRM requested that samples from all three wells be analyzed for a full suite of volatile organic compounds (VOCs) by EPA Method 8260B.

Groundwater elevations and groundwater quality data are summarized in Table 1. A ground-water elevation contour map is presented as Figure 2. Field and analytical procedures are presented as Attachment A. Certified analytical reports, chain-of-custody documentation, and field data sheets are presented as Attachment B. A Case Closure Summary is presented as Attachment C.

Groundwater Elevation, Groundwater Flow Direction and Gradient

Depth-to-water data were used to calculate groundwater elevations. Groundwater elevations ranged from 27.51 feet above mean sea level (msl) in Well MW-2 to 33.12 feet above msl in Well MW-1. Groundwater elevations were then used to plot groundwater elevation contours, which indicate that groundwater flow beneath the site was easterly at a gradient magnitude of approximately 0.03 foot/foot. The approximate groundwater flow direction and gradient magnitude are consistent with the flow direction and gradient from previous monitoring events at the site.

Groundwater Analytical Results

TPHg, BTEX compounds, fuel additives, and other VOCs were not detected at or above the detection limits in the samples collected from any of the three wells at the site. Groundwater analytical results are summarized on Table 1. Certified analytical reports and chain-of-custody documentation are presented in Attachment B.

Uploads to Geotracker Database

In accordance with State of California Water Resources Control Board (SWRCB) requirements, field and analytical data were uploaded to the SWRCB Geotracker database. Confirmation numbers for the field and lab data uploads for this quarterly event were 1620910465 and 7775396764, respectively.

CASE CLOSURE REQUEST

As you are aware, RRM has previously requested that this site be considered for case closure based on the results of remediation and investigation activities performed at the site.

A remedial excavation was performed at the site following the August 2000 removal of an underground storage tank (UST) at the site. After the remedial excavation, limited impact to remained in soils near the former UST. Approximately 140 cubic yards of soil and 3,050 gallons of groundwater with detectable concentrations of petroleum hydrocarbons were removed from the UST area on September 5 and 6, 2000. Soil samples collected after the remedial excavation contained maximum concentrations of TPHg at 6.3 parts per million (ppm) and benzene at 0.84 ppm along the southern sidewall of the excavation at a depth of approximately 8 feet below ground surface. A grab-groundwater sample collected from the water in the excavation contained TPHg at a concentration of 30,000 parts per billion (ppb); benzene was also detected in the grab-groundwater sample at a concentration of 1,600 ppb. MtBE or other fuel oxygenates were not detected in either soil or grab-groundwater samples collected from the UST excavation.

In May 2003 three groundwater monitoring wells were installed at the site by RRM. Soil samples collected during the well installation did not contain detectable concentrations of TPHg, BTEX compounds, or MtBE. For groundwater monitoring events performed on May 15, 2003, October 8, 2003 and April 5, 2005, TPHg, BTEX compounds, and fuel

Mr. Tom Sayles
April 13, 2005
Page 3

oxygenates were not detected in groundwater samples from the site. Additional analyses for all VOCs analyzed by EPA Method 8260B during the recent monitoring event indicated that no other VOCs are present in groundwater beneath the site.

Based on the effectiveness of the remedial excavation and the findings of subsequent soil and groundwater investigation activities at the site, RRM recommends that case closure be considered for this site. An updated case closure summary is presented as Attachment C.

If you have any questions regarding the contents of this document, please do not hesitate to call RRM at (831) 475-8141.

Sincerely,

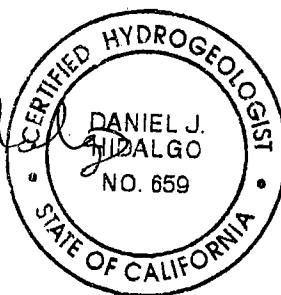
RRM, Inc.



Edward Buskirk
Project Manager



Daniel Hidalgo
Senior Geologist
CHG 659



Attachments: Table 1 – Summary of Groundwater Elevation and Analytical Data
Figure 1 – Site Location Map
Figure 2 – Groundwater Elevation Contour Map, April 5, 2005
Attachment A – Field and Analytical Procedures
Attachment B – Certified Analytical Reports, Chain-of-Custody
Documentation, and Field Data Sheets
Attachment C – Case Closure Summary

cc: Mr. Steve Baiocchi
Santa Cruz County Health Services Agency
701 Ocean Street, Room 312
Santa Cruz, California 95060

Mr. James Wylie
PO Box 208
Aptos, CA 95401

Table 1
Summary of Groundwater Elevation and Analytical Data

Wyllie Property
320 Coral Street
Santa Cruz, California

Sample/Well ID	Date	TOC Elevation (feet, msl)	Depth to Water (feet, bgs)	Groundwater Elevation (feet,msl)	TPHg (ppb)	¹ Benzene (ppb)	¹ Toluene (ppb)	¹ Ethylbenzene (ppb)	¹ Xylenes (ppb)	MtBE 8260 (ppb)	Fuel Oxygenates 8260 (ppb)	Other VOCs 8260 (ppb)
MW-1	05/15/03	33.53	2.01	31.52	<50	<0.5	<0.5	<0.5	<1	<1	--	--
	08/15/03	1.57	31.96	--	--	--	--	--	--	--	--	--
	10/08/03	1.79	31.74	<50	<0.5	<0.5	<0.5	<0.5	<1	<1	ND	--
	04/05/05	0.41	33.12	<25	<0.5	<0.5	<0.5	<0.5	<0.5	<1	ND	ND
MW-2	05/15/03	29.89	3.12	26.77	<50	<0.5	<0.5	<0.5	<1	<1	--	--
	08/15/03	2.90	26.99	--	--	--	--	--	--	--	--	--
	10/08/03	3.05	26.84	<50	<0.5	<0.5	<0.5	<0.5	<1	<1	ND	--
	04/05/05	2.38	27.51	<25	<0.5	<0.5	<0.5	<0.5	<0.5	<1	ND	ND
MW-3	05/15/03	30.28	2.50	27.78	<50	<0.5	<0.5	<0.5	<1	<1	--	--
	08/15/03	2.67	27.61	--	--	--	--	--	--	--	--	--
	10/08/03	2.82	27.46	<50	<0.5	<0.5	<0.5	<0.5	<1	<1	ND	--
	04/05/05	1.84	28.44	<25	<0.5	<0.5	<0.5	<0.5	<1	ND	ND	ND

Notes:

TOC = top of casing

msl = mean sea level

bgs = below ground surface

ppb = parts per billion

TPHg = gasoline range total petroleum hydrocarbons

¹ = 05/15/03 analyses by EPA Method 8020, 10/08/03 and 04/05/05 analyses by EPA Method 8260B

MtBE = methyl tertiary butyl ether

Fuel Oxygenates = tert-Butanol (TBA), Methyl-t-butyl Ether, Diisopropyl Ether, Ethyl-t-butyl Ether, tert-Amyl Methyl Ether, 1,2 Dichloroethane, 1,2 Dibromoethane
other VOCs = other volatile organic compounds; at RWQCB request RRM had samples analyzed for a full screen of volatile organic compounds

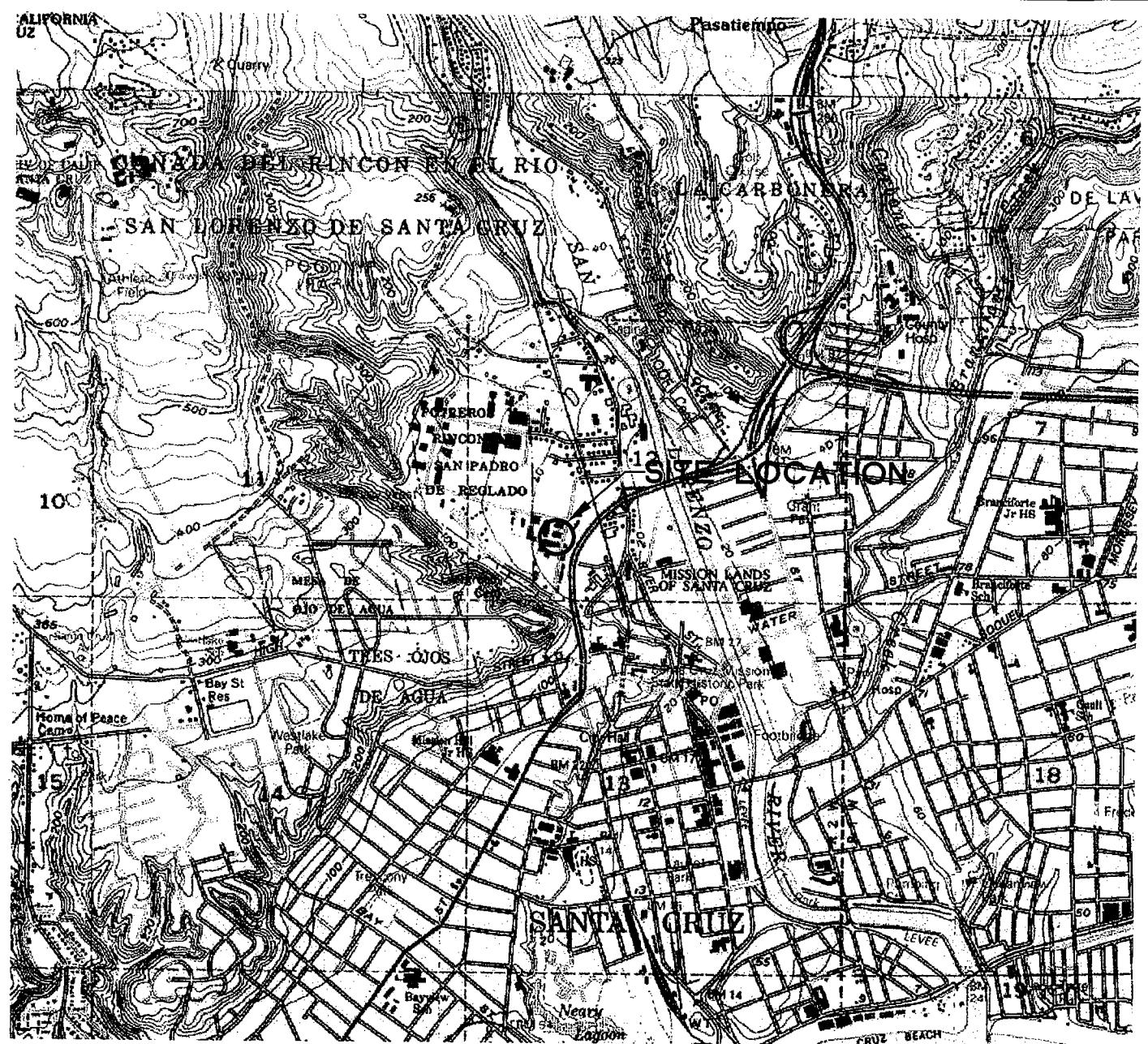
-- = not analyzed

8260 = analyzed according to EPA Method 8260

< = constituent not detected at or above the indicated limit of detection

ND = constituent not detected at or above the limit of detection reported on the certified analytical report

BOLD = current data



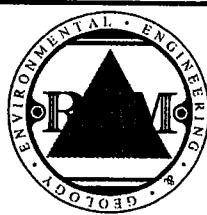
QUADRANGLE LOCATION

SCALE IN FEET

0 2,000

Rev. FA19/FA19-SLIDING
Base Map from TOPOGRAPHIC

PREPARED BY

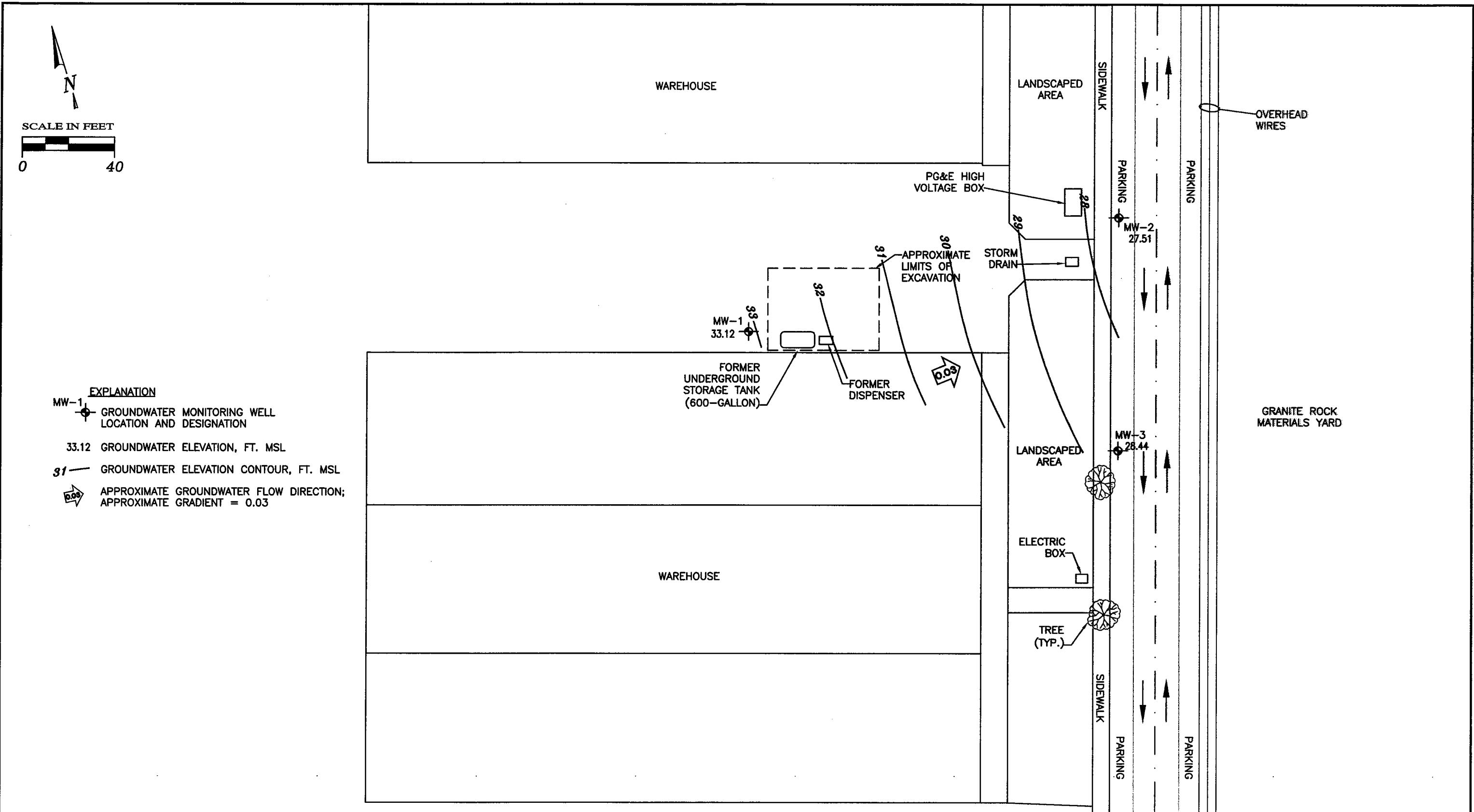


SITE LOCATION MAP

WYLIE PROPERTY

320 Coral Street
Santa Cruz, California

FIGURE:
1
PROJECT:
FA19



ATTACHMENT A

FIELD AND ANALYTICAL PROCEDURES

ATTACHMENT A

FIELD AND ANALYTICAL PROCEDURES

Field Procedures

Groundwater sampling procedures consisted of initially measuring and documenting the water level in each well and checking each well for the presence of separate-phase hydrocarbon (SPH) using a oil/water interface probe or a clear Teflon bailer. The wells that did not contain SPH were then purged a minimum of three casing volumes or until dry. During purging, well stabilization parameters (temperature, pH, and electrical conductivity) were monitored. After purging and prior to sampling, groundwater in the wells was allowed to recharge to within 80% of the original groundwater level.

Groundwater samples were collected using clean Teflon bailers or disposable bailers and appropriate EPA-approved containers. The samples were then labeled, and transported on ice to the laboratory using appropriate chain-of-custody documentation. Sampling equipment was cleaned with an Alconox soap solution between uses. Purge water generated during groundwater sampling was temporarily stored on site in 55-gallon drums, pending disposal. The drums were labeled and the contents were profiled prior to disposal.

Laboratory Analytical Procedures

Soil and groundwater samples were analyzed in the laboratory for the presence of gasoline range total petroleum hydrocarbons and methanol according to EPA Method 8015 (modified); benzene, toluene, ethyl-benzene, and xylenes according to EPA Method 8020; diisopropyl ether, ethyl-t-butyl ether, methyl tertiary butyl ether, tert-amyl methyl ether, tert-butanol, and ethanol according to EPA Methods 8260B and 8015 (modified); and other VOCs by EPA Method 8260B. All analyses were performed by Entech Analytical Labs of Santa Clara, California, a California State-certified laboratory.

ATTACHMENT B

**CERTIFIED ANALYTICAL REPORTS, CHAIN-OF-CUSTODY
DOCUMENTATION, AND FIELD DATA SHEETS**

Entech Analytical Labs, Inc.

3334 Victor Court • Santa Clara, CA 95054 • (408) 588-0200 • Fax (408) 588-0201

Ed Buskirk
Remediation Risk Management-SC
2560 Soquel Ave., Suite 202
Santa Cruz, CA 95062

Certificate ID: 43090 - 4/8/2005 5:46:56 PM

R E C E I V E D
APR 12 2005

Order Number: 43090
Project Name: FA19
Project Number: FA19

Date Received: 4/6/2005 4:23:16 PM
P.O. Number: FA19

Certificate of Analysis - Final Report

On April 06, 2005, samples were received under chain of custody for analysis. Entech analyzes samples "as received" unless otherwise noted. The following results are included:

<u>Matrix</u>	<u>Test</u>	<u>Method</u>	<u>Comments</u>
Liquid	EPA 8260B TPH as Gasoline by GC/MS	EPA 8260B GC-MS	

Entech Analytical Labs, Inc. is certified for environmental analyses by the State of California (#2346). If you have any questions regarding this report, please call us at 408-588-0200 ext. 225.

Sincerely,

Laurie Glantz-Murphy

Laurie Glantz-Murphy
Laboratory Director

Entech Analytical Labs, Inc.

3334 Victor Court , Santa Clara, CA 95054

Phone: (408) 588-0200

Fax: (408) 588-0201

Remediation Risk Management-SC
2560 Soquel Ave., Suite 202
Santa Cruz, CA 95062
Attn: Ed Buskirk

Project Number: FA19
Project Name: FA19
Date Received: 4/6/2005
P.O. Number: FA19
Sample Collected by: Client

Certificate of Analysis - Data Report

Lab #: 43090-001 Sample ID: MW-1 Matrix: Liquid Sample Date: 4/5/2005 10:24 AM

Method: EPA 8260B - Gas Chromatography/Mass Spectrometry (GC/MS)

Prep Method: EPA 5030B - Purge-and-Trap for Aqueous Samples

Parameter	Result	Flag	DF	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
1,1,1,2-Tetrachloroethane	ND	1	0.5	µg/L	N/A	N/A	04/07/2005	WMS1050407	
1,1,1-Trichloroethane	ND	1	0.5	µg/L	N/A	N/A	04/07/2005	WMS1050407	
1,1,2,2-Tetrachloroethane	ND	1	0.5	µg/L	N/A	N/A	04/07/2005	WMS1050407	
1,1,2-Trichloroethane	ND	1	0.5	µg/L	N/A	N/A	04/07/2005	WMS1050407	
1,1-Dichloroethane	ND	1	0.5	µg/L	N/A	N/A	04/07/2005	WMS1050407	
1,1-Dichloroethene	ND	1	0.5	µg/L	N/A	N/A	04/07/2005	WMS1050407	
1,1-Dichloropropene	ND	1	0.5	µg/L	N/A	N/A	04/07/2005	WMS1050407	
1,2,3-Trichlorobenzene	ND	1	5	µg/L	N/A	N/A	04/07/2005	WMS1050407	
1,2,3-Trichloropropane	ND	1	0.5	µg/L	N/A	N/A	04/07/2005	WMS1050407	
1,2,4-Trichlorobenzene	ND	1	5	µg/L	N/A	N/A	04/07/2005	WMS1050407	
1,2,4-Trimethylbenzene	ND	1	5	µg/L	N/A	N/A	04/07/2005	WMS1050407	
1,2-Dibromo-3-Chloropropane	ND	1	5	µg/L	N/A	N/A	04/07/2005	WMS1050407	
1,2-Dibromoethane (EDB)	ND	1	0.5	µg/L	N/A	N/A	04/07/2005	WMS1050407	
1,2-Dichlorobenzene	ND	1	0.5	µg/L	N/A	N/A	04/07/2005	WMS1050407	
1,2-Dichloroethane	ND	1	0.5	µg/L	N/A	N/A	04/07/2005	WMS1050407	
1,2-Dichloropropane	ND	1	0.5	µg/L	N/A	N/A	04/07/2005	WMS1050407	
1,3,5-Trimethylbenzene	ND	1	5	µg/L	N/A	N/A	04/07/2005	WMS1050407	
1,3-Dichlorobenzene	ND	1	0.5	µg/L	N/A	N/A	04/07/2005	WMS1050407	
1,3-Dichloropropane	ND	1	0.5	µg/L	N/A	N/A	04/07/2005	WMS1050407	
1,4-Dichlorobenzene	ND	1	0.5	µg/L	N/A	N/A	04/07/2005	WMS1050407	
1,4-Dioxane	ND	1	50	µg/L	N/A	N/A	04/07/2005	WMS1050407	
2,2-Dichloropropane	ND	1	0.5	µg/L	N/A	N/A	04/07/2005	WMS1050407	
2-Butanone (MEK)	ND	1	20	µg/L	N/A	N/A	04/07/2005	WMS1050407	
2-Chloroethyl-vinyl Ether	ND	1	5	µg/L	N/A	N/A	04/07/2005	WMS1050407	
2-Chlorotoluene	ND	1	5	µg/L	N/A	N/A	04/07/2005	WMS1050407	
2-Hexanone	ND	1	20	µg/L	N/A	N/A	04/07/2005	WMS1050407	
4-Chlorotoluene	ND	1	5	µg/L	N/A	N/A	04/07/2005	WMS1050407	
4-Methyl-2-Pentanone(MIBK)	ND	1	20	µg/L	N/A	N/A	04/07/2005	WMS1050407	
Acetone	ND	1	20	µg/L	N/A	N/A	04/07/2005	WMS1050407	
Acetonitrile	ND	1	5	µg/L	N/A	N/A	04/07/2005	WMS1050407	
Acrolein	ND	1	5	µg/L	N/A	N/A	04/07/2005	WMS1050407	
Acrylonitrile	ND	1	5	µg/L	N/A	N/A	04/07/2005	WMS1050407	
Benzene	ND	1	0.5	µg/L	N/A	N/A	04/07/2005	WMS1050407	
Benzyl Chloride	ND	1	5	µg/L	N/A	N/A	04/07/2005	WMS1050407	
Bromobenzene	ND	1	0.5	µg/L	N/A	N/A	04/07/2005	WMS1050407	
Bromochloromethane	ND	1	0.5	µg/L	N/A	N/A	04/07/2005	WMS1050407	
Bromodichloromethane	ND	1	0.5	µg/L	N/A	N/A	04/07/2005	WMS1050407	
Bromoform	ND	1	0.5	µg/L	N/A	N/A	04/07/2005	WMS1050407	
Bromomethane	ND	1	0.5	µg/L	N/A	N/A	04/07/2005	WMS1050407	
Carbon Disulfide	ND	1	0.5	µg/L	N/A	N/A	04/07/2005	WMS1050407	
Carbon Tetrachloride	ND	1	0.5	µg/L	N/A	N/A	04/07/2005	WMS1050407	
Chlorobenzene	ND	1	0.5	µg/L	N/A	N/A	04/07/2005	WMS1050407	
Chloroethane	ND	1	0.5	µg/L	N/A	N/A	04/07/2005	WMS1050407	
Chloroform	ND	1	0.5	µg/L	N/A	N/A	04/07/2005	WMS1050407	
Chloromethane	ND	1	0.5	µg/L	N/A	N/A	04/07/2005	WMS1050407	

Detection Limit = Detection Limit for Reporting.

ND = Not Detected at or above the Detection Limit.

DF = Dilution and/or Prep Factor including sample volume adjustments.

4/8/2005 5:46:33 PM - dba

Entech Analytical Labs, Inc.

3334 Victor Court , Santa Clara, CA 95054

Phone: (408) 588-0200

Fax: (408) 588-0201

Remediation Risk Management-SC
2560 Soquel Ave., Suite 202
Santa Cruz, CA 95062
Attn: Ed Buskirk

Project Number: FA19
Project Name: FA19
Date Received: 4/6/2005
P.O. Number: FA19
Sample Collected by: Client

Certificate of Analysis - Data Report

Lab # : 43090-001	Sample ID: MW-1	Matrix: Liquid	Sample Date: 4/5/2005	10:24 AM
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Method: EPA 8260B - Gas Chromatography/Mass Spectrometry (GC/MS)

Prep Method: EPA 5030B - Purge-and-Trap for Aqueous Samples

Parameter	Result	Flag	DF	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
cis-1,2-Dichloroethene	ND	1	0.5	µg/L	N/A	N/A	N/A	04/07/2005	WMS1050407
cis-1,3-Dichloropropene	ND	1	0.5	µg/L	N/A	N/A	N/A	04/07/2005	WMS1050407
Cyclohexanone	ND	1	20	µg/L	N/A	N/A	N/A	04/07/2005	WMS1050407
Dibromochloromethane	ND	1	0.5	µg/L	N/A	N/A	N/A	04/07/2005	WMS1050407
Dibromomethane	ND	1	0.5	µg/L	N/A	N/A	N/A	04/07/2005	WMS1050407
Dichlorodifluoromethane	ND	1	0.5	µg/L	N/A	N/A	N/A	04/07/2005	WMS1050407
Diisopropyl Ether	ND	1	5	µg/L	N/A	N/A	N/A	04/07/2005	WMS1050407
Ethyl Benzene	ND	1	0.5	µg/L	N/A	N/A	N/A	04/07/2005	WMS1050407
Freon 113	ND	1	5	µg/L	N/A	N/A	N/A	04/07/2005	WMS1050407
Hexachlorobutadiene	ND	1	5	µg/L	N/A	N/A	N/A	04/07/2005	WMS1050407
Iodomethane	ND	1	1	µg/L	N/A	N/A	N/A	04/07/2005	WMS1050407
Isopropanol	ND	1	20	µg/L	N/A	N/A	N/A	04/07/2005	WMS1050407
Isopropylbenzene	ND	1	1	µg/L	N/A	N/A	N/A	04/07/2005	WMS1050407
Methyl-t-butyl Ether	ND	1	1	µg/L	N/A	N/A	N/A	04/07/2005	WMS1050407
Methylene Chloride	ND	1	5	µg/L	N/A	N/A	N/A	04/07/2005	WMS1050407
n-Butylbenzene	ND	1	5	µg/L	N/A	N/A	N/A	04/07/2005	WMS1050407
n-Propylbenzene	ND	1	5	µg/L	N/A	N/A	N/A	04/07/2005	WMS1050407
Naphthalene	ND	1	5	µg/L	N/A	N/A	N/A	04/07/2005	WMS1050407
p-Isopropyltoluene	ND	1	5	µg/L	N/A	N/A	N/A	04/07/2005	WMS1050407
Pentachloroethane	ND	1	0.5	µg/L	N/A	N/A	N/A	04/07/2005	WMS1050407
sec-Butylbenzene	ND	1	5	µg/L	N/A	N/A	N/A	04/07/2005	WMS1050407
Styrene	ND	1	0.5	µg/L	N/A	N/A	N/A	04/07/2005	WMS1050407
tert-Amyl Methyl Ether	ND	1	5	µg/L	N/A	N/A	N/A	04/07/2005	WMS1050407
tert-Butanol (TBA)	ND	1	10	µg/L	N/A	N/A	N/A	04/07/2005	WMS1050407
tert-Butyl Ethyl Ether	ND	1	5	µg/L	N/A	N/A	N/A	04/07/2005	WMS1050407
tert-Butylbenzene	ND	1	5	µg/L	N/A	N/A	N/A	04/07/2005	WMS1050407
Tetrachloroethene	ND	1	0.5	µg/L	N/A	N/A	N/A	04/07/2005	WMS1050407
Tetrahydrofuran	ND	1	20	µg/L	N/A	N/A	N/A	04/07/2005	WMS1050407
Toluene	ND	1	0.5	µg/L	N/A	N/A	N/A	04/07/2005	WMS1050407
trans-1,2-Dichloroethene	ND	1	0.5	µg/L	N/A	N/A	N/A	04/07/2005	WMS1050407
trans-1,3-Dichloropropene	ND	1	0.5	µg/L	N/A	N/A	N/A	04/07/2005	WMS1050407
trans-1,4-Dichloro-2-butene	ND	1	1	µg/L	N/A	N/A	N/A	04/07/2005	WMS1050407
Trichloroethene	ND	1	0.5	µg/L	N/A	N/A	N/A	04/07/2005	WMS1050407
Trichlorofluoromethane	ND	1	0.5	µg/L	N/A	N/A	N/A	04/07/2005	WMS1050407
Vinyl Acetate	ND	1	5	µg/L	N/A	N/A	N/A	04/07/2005	WMS1050407
Vinyl Chloride	ND	1	0.5	µg/L	N/A	N/A	N/A	04/07/2005	WMS1050407
Xylenes, Total	ND	1	0.5	µg/L	N/A	N/A	N/A	04/07/2005	WMS1050407

Surrogate	Surrogate Recovery	Control Limits (%)			Analyzed by: Xbian
4-Bromofluorobenzene	96.7	75	-	125	Reviewed by: MTU
Dibromofluoromethane	108	75	-	125	
Toluene-d8	100	75	-	125	

Entech Analytical Labs, Inc.

3334 Victor Court , Santa Clara, CA 95054

Phone: (408) 588-0200

Fax: (408) 588-0201

Remediation Risk Management-SC
2560 Soquel Ave., Suite 202
Santa Cruz, CA 95062
Attn: Ed Buskirk

Project Number: FA19
Project Name: FA19
Date Received: 4/6/2005
P.O. Number: FA19
Sample Collected by: Client

Certificate of Analysis - Data Report

Lab #: 43090-001 Sample ID: MW-1 Matrix: Liquid Sample Date: 4/5/2005 10:24 AM

Method: GC-MS - Gas Chromatography/Mass Spectrometry (GC/MS)

Prep Method: EPA 5030B - Purge-and-Trap for Aqueous Samples

Parameter	Result	Flag	DF	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
TPH as Gasoline	ND		1	25	µg/L	N/A	N/A	04/07/2005	WMS1050407
Surrogate Surrogate Recovery Control Limits (%)									
4-Bromofluorobenzene	98.3		75	-	125			Analyzed by: Xbian	
Dibromofluoromethane	112		75	-	125			Reviewed by: MTU	
Toluene-d8	104		75	-	125				

Entech Analytical Labs, Inc.

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Santa Cruz, CA 95062
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Project Number: FA19
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Date Received: 4/6/2005
P.O. Number: FA19
Sample Collected by: Client

Certificate of Analysis - Data Report

Lab #: 43090-002 Sample ID: MW-2 Matrix: Liquid Sample Date: 4/5/2005 10:51 AM

Method: EPA 8260B - Gas Chromatography/Mass Spectrometry (GC/MS)

Prep Method: EPA 5030B - Purge-and-Trap for Aqueous Samples

Parameter	Result	Flag	DF	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
1,1,1,2-Tetrachloroethane	ND	1	0.5	µg/L	N/A	N/A	N/A	04/07/2005	WMS1050407
1,1,1-Trichloroethane	ND	1	0.5	µg/L	N/A	N/A	N/A	04/07/2005	WMS1050407
1,1,2,2-Tetrachloroethane	ND	1	0.5	µg/L	N/A	N/A	N/A	04/07/2005	WMS1050407
1,1,2-Trichloroethane	ND	1	0.5	µg/L	N/A	N/A	N/A	04/07/2005	WMS1050407
1,1-Dichloroethane	ND	1	0.5	µg/L	N/A	N/A	N/A	04/07/2005	WMS1050407
1,1-Dichloroethene	ND	1	0.5	µg/L	N/A	N/A	N/A	04/07/2005	WMS1050407
1,1-Dichloropropene	ND	1	0.5	µg/L	N/A	N/A	N/A	04/07/2005	WMS1050407
1,2,3-Trichlorobenzene	ND	1	5	µg/L	N/A	N/A	N/A	04/07/2005	WMS1050407
1,2,3-Trichloropropane	ND	1	0.5	µg/L	N/A	N/A	N/A	04/07/2005	WMS1050407
1,2,4-Trichlorobenzene	ND	1	5	µg/L	N/A	N/A	N/A	04/07/2005	WMS1050407
1,2,4-Trimethylbenzene	ND	1	5	µg/L	N/A	N/A	N/A	04/07/2005	WMS1050407
1,2-Dibromo-3-Chloropropane	ND	1	5	µg/L	N/A	N/A	N/A	04/07/2005	WMS1050407
1,2-Dibromoethane (EDB)	ND	1	0.5	µg/L	N/A	N/A	N/A	04/07/2005	WMS1050407
1,2-Dichlorobenzene	ND	1	0.5	µg/L	N/A	N/A	N/A	04/07/2005	WMS1050407
1,2-Dichloroethane	ND	1	0.5	µg/L	N/A	N/A	N/A	04/07/2005	WMS1050407
1,2-Dichloropropane	ND	1	0.5	µg/L	N/A	N/A	N/A	04/07/2005	WMS1050407
1,3,5-Trimethylbenzene	ND	1	5	µg/L	N/A	N/A	N/A	04/07/2005	WMS1050407
1,3-Dichlorobenzene	ND	1	0.5	µg/L	N/A	N/A	N/A	04/07/2005	WMS1050407
1,3-Dichloropropane	ND	1	0.5	µg/L	N/A	N/A	N/A	04/07/2005	WMS1050407
1,4-Dichlorobenzene	ND	1	0.5	µg/L	N/A	N/A	N/A	04/07/2005	WMS1050407
1,4-Dioxane	ND	1	50	µg/L	N/A	N/A	N/A	04/07/2005	WMS1050407
2,2-Dichloropropane	ND	1	0.5	µg/L	N/A	N/A	N/A	04/07/2005	WMS1050407
2-Butanone (MEK)	ND	1	20	µg/L	N/A	N/A	N/A	04/07/2005	WMS1050407
2-Chloroethyl-vinyl Ether	ND	1	5	µg/L	N/A	N/A	N/A	04/07/2005	WMS1050407
2-Chlorotoluene	ND	1	5	µg/L	N/A	N/A	N/A	04/07/2005	WMS1050407
2-Hexanone	ND	1	20	µg/L	N/A	N/A	N/A	04/07/2005	WMS1050407
4-Chlorotoluene	ND	1	5	µg/L	N/A	N/A	N/A	04/07/2005	WMS1050407
4-Methyl-2-Pentanone(MIBK)	ND	1	20	µg/L	N/A	N/A	N/A	04/07/2005	WMS1050407
Acetone	ND	1	20	µg/L	N/A	N/A	N/A	04/07/2005	WMS1050407
Acetonitrile	ND	1	5	µg/L	N/A	N/A	N/A	04/07/2005	WMS1050407
Acrolein	ND	1	5	µg/L	N/A	N/A	N/A	04/07/2005	WMS1050407
Acrylonitrile	ND	1	5	µg/L	N/A	N/A	N/A	04/07/2005	WMS1050407
Benzene	ND	1	0.5	µg/L	N/A	N/A	N/A	04/07/2005	WMS1050407
Benzyl Chloride	ND	1	5	µg/L	N/A	N/A	N/A	04/07/2005	WMS1050407
Bromobenzene	ND	1	0.5	µg/L	N/A	N/A	N/A	04/07/2005	WMS1050407
Bromochloromethane	ND	1	0.5	µg/L	N/A	N/A	N/A	04/07/2005	WMS1050407
Bromodichloromethane	ND	1	0.5	µg/L	N/A	N/A	N/A	04/07/2005	WMS1050407
Bromoform	ND	1	0.5	µg/L	N/A	N/A	N/A	04/07/2005	WMS1050407
Bromomethane	ND	1	0.5	µg/L	N/A	N/A	N/A	04/07/2005	WMS1050407
Carbon Disulfide	ND	1	0.5	µg/L	N/A	N/A	N/A	04/07/2005	WMS1050407
Carbon Tetrachloride	ND	1	0.5	µg/L	N/A	N/A	N/A	04/07/2005	WMS1050407
Chlorobenzene	ND	1	0.5	µg/L	N/A	N/A	N/A	04/07/2005	WMS1050407
Chloroethane	ND	1	0.5	µg/L	N/A	N/A	N/A	04/07/2005	WMS1050407
Chloroform	ND	1	0.5	µg/L	N/A	N/A	N/A	04/07/2005	WMS1050407
Chloromethane	ND	1	0.5	µg/L	N/A	N/A	N/A	04/07/2005	WMS1050407

Detection Limit = Detection Limit for Reporting.

ND = Not Detected at or above the Detection Limit.

DF = Dilution and/or Prep Factor including sample volume adjustments.

4/8/2005 5:46:35 PM - dba

Entech Analytical Labs, Inc.

3334 Victor Court, Santa Clara, CA 95054

Phone: (408) 588-0200

Fax: (408) 588-0201

Remediation Risk Management-SC
2560 Soquel Ave., Suite 202
Santa Cruz, CA 95062
Attn: Ed Buskirk

Project Number: FA19
Project Name: FA19
Date Received: 4/6/2005
P.O. Number: FA19
Sample Collected by: Client

Certificate of Analysis - Data Report

Lab #:	43090-002	Sample ID:	MW-2	Matrix:	Liquid	Sample Date:	4/5/2005	10:51 AM
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Method: EPA 8260B - Gas Chromatography/Mass Spectrometry (GC/MS)

Prep Method: EPA 5030B - Purge-and-Trap for Aqueous Samples

Parameter	Result	Flag	DF	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
cis-1,2-Dichloroethene	ND	1	0.5	µg/L	N/A	N/A	N/A	04/07/2005	WMS1050407
cis-1,3-Dichloropropene	ND	1	0.5	µg/L	N/A	N/A	N/A	04/07/2005	WMS1050407
Cyclohexanone	ND	1	20	µg/L	N/A	N/A	N/A	04/07/2005	WMS1050407
Dibromochloromethane	ND	1	0.5	µg/L	N/A	N/A	N/A	04/07/2005	WMS1050407
Dibromomethane	ND	1	0.5	µg/L	N/A	N/A	N/A	04/07/2005	WMS1050407
Dichlorodifluoromethane	ND	1	0.5	µg/L	N/A	N/A	N/A	04/07/2005	WMS1050407
Diisopropyl Ether	ND	1	5	µg/L	N/A	N/A	N/A	04/07/2005	WMS1050407
Ethyl Benzene	ND	1	0.5	µg/L	N/A	N/A	N/A	04/07/2005	WMS1050407
Freon 113	ND	1	5	µg/L	N/A	N/A	N/A	04/07/2005	WMS1050407
Hexachlorobutadiene	ND	1	5	µg/L	N/A	N/A	N/A	04/07/2005	WMS1050407
Iodomethane	ND	1	1	µg/L	N/A	N/A	N/A	04/07/2005	WMS1050407
Isopropanol	ND	1	20	µg/L	N/A	N/A	N/A	04/07/2005	WMS1050407
Isopropylbenzene	ND	1	1	µg/L	N/A	N/A	N/A	04/07/2005	WMS1050407
Methyl-t-butyl Ether	ND	1	1	µg/L	N/A	N/A	N/A	04/07/2005	WMS1050407
Methylene Chloride	ND	1	5	µg/L	N/A	N/A	N/A	04/07/2005	WMS1050407
n-Butylbenzene	ND	1	5	µg/L	N/A	N/A	N/A	04/07/2005	WMS1050407
n-Propylbenzene	ND	1	5	µg/L	N/A	N/A	N/A	04/07/2005	WMS1050407
Naphthalene	ND	1	5	µg/L	N/A	N/A	N/A	04/07/2005	WMS1050407
p-Isopropyltoluene	ND	1	5	µg/L	N/A	N/A	N/A	04/07/2005	WMS1050407
Pentachloroethane	ND	1	0.5	µg/L	N/A	N/A	N/A	04/07/2005	WMS1050407
sec-Butylbenzene	ND	1	5	µg/L	N/A	N/A	N/A	04/07/2005	WMS1050407
Styrene	ND	1	0.5	µg/L	N/A	N/A	N/A	04/07/2005	WMS1050407
tert-Amyl Methyl Ether	ND	1	5	µg/L	N/A	N/A	N/A	04/07/2005	WMS1050407
tert-Butanol (TBA)	ND	1	10	µg/L	N/A	N/A	N/A	04/07/2005	WMS1050407
tert-Butyl Ethyl Ether	ND	1	5	µg/L	N/A	N/A	N/A	04/07/2005	WMS1050407
tert-Butylbenzene	ND	1	5	µg/L	N/A	N/A	N/A	04/07/2005	WMS1050407
Tetrachloroethene	ND	1	0.5	µg/L	N/A	N/A	N/A	04/07/2005	WMS1050407
Tetrahydrofuran	ND	1	20	µg/L	N/A	N/A	N/A	04/07/2005	WMS1050407
Toluene	ND	1	0.5	µg/L	N/A	N/A	N/A	04/07/2005	WMS1050407
trans-1,2-Dichloroethene	ND	1	0.5	µg/L	N/A	N/A	N/A	04/07/2005	WMS1050407
trans-1,3-Dichloropropene	ND	1	0.5	µg/L	N/A	N/A	N/A	04/07/2005	WMS1050407
trans-1,4-Dichloro-2-butene	ND	1	1	µg/L	N/A	N/A	N/A	04/07/2005	WMS1050407
Trichloroethene	ND	1	0.5	µg/L	N/A	N/A	N/A	04/07/2005	WMS1050407
Trichlorofluoromethane	ND	1	0.5	µg/L	N/A	N/A	N/A	04/07/2005	WMS1050407
Vinyl Acetate	ND	1	5	µg/L	N/A	N/A	N/A	04/07/2005	WMS1050407
Vinyl Chloride	ND	1	0.5	µg/L	N/A	N/A	N/A	04/07/2005	WMS1050407
Xylenes, Total	ND	1	0.5	µg/L	N/A	N/A	N/A	04/07/2005	WMS1050407

Surrogate	Surrogate Recovery	Control Limits (%)	Analyzed by: Xbian
4-Bromofluorobenzene	97.4	75 - 125	Reviewed by: MTU
Dibromofluoromethane	110	75 - 125	
Toluene-d8	102	75 - 125	

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Remediation Risk Management-SC
2560 Soquel Ave., Suite 202
Santa Cruz, CA 95062
Attn: Ed Buskirk

Project Number: FA19
Project Name: FA19
Date Received: 4/6/2005
P.O. Number: FA19
Sample Collected by: Client

Certificate of Analysis - Data Report

Lab #: 43090-002 Sample ID: MW-2 Matrix: Liquid Sample Date: 4/5/2005 10:51 AM

Method: GC-MS - Gas Chromatography/Mass Spectrometry (GC/MS)

Prep Method: EPA 5030B - Purge-and-Trap for Aqueous Samples

Parameter	Result	Flag	DF	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
TPH as Gasoline	ND		1	25	µg/L	N/A	N/A	04/07/2005	WMS1050407

Surrogate	Surrogate Recovery	Control Limits (%)	Analyzed by: Xbian
4-Bromofluorobenzene	99.1	75 - 125	Reviewed by: MTU
Dibromofluoromethane	114	75 - 125	
Toluene-d8	106	75 - 125	

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Santa Cruz, CA 95062
Attn: Ed Buskirk

Project Number: FA19
Project Name: FA19
Date Received: 4/6/2005
P.O. Number: FA19
Sample Collected by: Client

Certificate of Analysis - Data Report

Lab #: 43090-003 Sample ID: MW-3 Matrix: Liquid Sample Date: 4/5/2005 11:23 AM

Method: EPA 8260B - Gas Chromatography/Mass Spectrometry (GC/MS)

Prep Method: EPA 5030B - Purge-and-Trap for Aqueous Samples

Parameter	Result	Flag	DF	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
1,1,1,2-Tetrachloroethane	ND	1	0.5	µg/L	N/A	N/A	N/A	04/07/2005	WMS1050407
1,1,1-Trichloroethane	ND	1	0.5	µg/L	N/A	N/A	N/A	04/07/2005	WMS1050407
1,1,2,2-Tetrachloroethane	ND	1	0.5	µg/L	N/A	N/A	N/A	04/07/2005	WMS1050407
1,1,2-Trichloroethane	ND	1	0.5	µg/L	N/A	N/A	N/A	04/07/2005	WMS1050407
1,1-Dichloroethane	ND	1	0.5	µg/L	N/A	N/A	N/A	04/07/2005	WMS1050407
1,1-Dichloroethene	ND	1	0.5	µg/L	N/A	N/A	N/A	04/07/2005	WMS1050407
1,1-Dichloropropene	ND	1	0.5	µg/L	N/A	N/A	N/A	04/07/2005	WMS1050407
1,2,3-Trichlorobenzene	ND	1	5	µg/L	N/A	N/A	N/A	04/07/2005	WMS1050407
1,2,3-Trichloropropane	ND	1	0.5	µg/L	N/A	N/A	N/A	04/07/2005	WMS1050407
1,2,4-Trichlorobenzene	ND	1	5	µg/L	N/A	N/A	N/A	04/07/2005	WMS1050407
1,2,4-Trimethylbenzene	ND	1	5	µg/L	N/A	N/A	N/A	04/07/2005	WMS1050407
1,2-Dibromo-3-Chloropropane	ND	1	5	µg/L	N/A	N/A	N/A	04/07/2005	WMS1050407
1,2-Dibromoethane (EDB)	ND	1	0.5	µg/L	N/A	N/A	N/A	04/07/2005	WMS1050407
1,2-Dichlorobenzene	ND	1	0.5	µg/L	N/A	N/A	N/A	04/07/2005	WMS1050407
1,2-Dichloroethane	ND	1	0.5	µg/L	N/A	N/A	N/A	04/07/2005	WMS1050407
1,2-Dichloropropane	ND	1	0.5	µg/L	N/A	N/A	N/A	04/07/2005	WMS1050407
1,3,5-Trimethylbenzene	ND	1	5	µg/L	N/A	N/A	N/A	04/07/2005	WMS1050407
1,3-Dichlorobenzene	ND	1	0.5	µg/L	N/A	N/A	N/A	04/07/2005	WMS1050407
1,3-Dichloropropane	ND	1	0.5	µg/L	N/A	N/A	N/A	04/07/2005	WMS1050407
1,4-Dichlorobenzene	ND	1	0.5	µg/L	N/A	N/A	N/A	04/07/2005	WMS1050407
1,4-Dioxane	ND	1	50	µg/L	N/A	N/A	N/A	04/07/2005	WMS1050407
2,2-Dichloropropane	ND	1	0.5	µg/L	N/A	N/A	N/A	04/07/2005	WMS1050407
2-Butanone (MEK)	ND	1	20	µg/L	N/A	N/A	N/A	04/07/2005	WMS1050407
2-Chloroethyl-vinyl Ether	ND	1	5	µg/L	N/A	N/A	N/A	04/07/2005	WMS1050407
2-Chlorotoluene	ND	1	5	µg/L	N/A	N/A	N/A	04/07/2005	WMS1050407
2-Hexanone	ND	1	20	µg/L	N/A	N/A	N/A	04/07/2005	WMS1050407
4-Chlorotoluene	ND	1	5	µg/L	N/A	N/A	N/A	04/07/2005	WMS1050407
4-Methyl-2-Pentanone(MIBK)	ND	1	20	µg/L	N/A	N/A	N/A	04/07/2005	WMS1050407
Acetone	ND	1	20	µg/L	N/A	N/A	N/A	04/07/2005	WMS1050407
Acetonitrile	ND	1	5	µg/L	N/A	N/A	N/A	04/07/2005	WMS1050407
Acrolein	ND	1	5	µg/L	N/A	N/A	N/A	04/07/2005	WMS1050407
Acrylonitrile	ND	1	5	µg/L	N/A	N/A	N/A	04/07/2005	WMS1050407
Benzene	ND	1	0.5	µg/L	N/A	N/A	N/A	04/07/2005	WMS1050407
Benzyl Chloride	ND	1	5	µg/L	N/A	N/A	N/A	04/07/2005	WMS1050407
Bromobenzene	ND	1	0.5	µg/L	N/A	N/A	N/A	04/07/2005	WMS1050407
Bromochloromethane	ND	1	0.5	µg/L	N/A	N/A	N/A	04/07/2005	WMS1050407
Bromodichloromethane	ND	1	0.5	µg/L	N/A	N/A	N/A	04/07/2005	WMS1050407
Bromoform	ND	1	0.5	µg/L	N/A	N/A	N/A	04/07/2005	WMS1050407
Bromomethane	ND	1	0.5	µg/L	N/A	N/A	N/A	04/07/2005	WMS1050407
Carbon Disulfide	ND	1	0.5	µg/L	N/A	N/A	N/A	04/07/2005	WMS1050407
Carbon Tetrachloride	ND	1	0.5	µg/L	N/A	N/A	N/A	04/07/2005	WMS1050407
Chlorobenzene	ND	1	0.5	µg/L	N/A	N/A	N/A	04/07/2005	WMS1050407
Chloroethane	ND	1	0.5	µg/L	N/A	N/A	N/A	04/07/2005	WMS1050407
Chloroform	ND	1	0.5	µg/L	N/A	N/A	N/A	04/07/2005	WMS1050407
Chloromethane	ND	1	0.5	µg/L	N/A	N/A	N/A	04/07/2005	WMS1050407

Detection Limit = Detection Limit for Reporting.

ND = Not Detected at or above the Detection Limit.

DF = Dilution and/or Prep Factor including sample volume adjustments.

4/8/2005 5:46:37 PM - dba

Entech Analytical Labs, Inc.

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Remediation Risk Management-SC
2560 Soquel Ave., Suite 202
Santa Cruz, CA 95062
Attn: Ed Buskirk

Project Number: FA19
Project Name: FA19
Date Received: 4/6/2005
P.O. Number: FA19
Sample Collected by: Client

Certificate of Analysis - Data Report

Lab #: 43090-003 Sample ID: MW-3 Matrix: Liquid Sample Date: 4/5/2005 11:23 AM

Method: EPA 8260B - Gas Chromatography/Mass Spectrometry (GC/MS)

Prep Method: EPA 5030B - Purge-and-Trap for Aqueous Samples

Parameter	Result	Flag	DF	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
cis-1,2-Dichloroethene	ND	1	0.5	µg/L	N/A	N/A	N/A	04/07/2005	WMS1050407
cis-1,3-Dichloropropene	ND	1	0.5	µg/L	N/A	N/A	N/A	04/07/2005	WMS1050407
Cyclohexanone	ND	1	20	µg/L	N/A	N/A	N/A	04/07/2005	WMS1050407
Dibromochloromethane	ND	1	0.5	µg/L	N/A	N/A	N/A	04/07/2005	WMS1050407
Dibromomethane	ND	1	0.5	µg/L	N/A	N/A	N/A	04/07/2005	WMS1050407
Dichlorodifluoromethane	ND	1	0.5	µg/L	N/A	N/A	N/A	04/07/2005	WMS1050407
Diisopropyl Ether	ND	1	5	µg/L	N/A	N/A	N/A	04/07/2005	WMS1050407
Ethyl Benzene	ND	1	0.5	µg/L	N/A	N/A	N/A	04/07/2005	WMS1050407
Freon 113	ND	1	5	µg/L	N/A	N/A	N/A	04/07/2005	WMS1050407
Hexachlorobutadiene	ND	1	5	µg/L	N/A	N/A	N/A	04/07/2005	WMS1050407
Iodomethane	ND	1	1	µg/L	N/A	N/A	N/A	04/07/2005	WMS1050407
Isopropanol	ND	1	20	µg/L	N/A	N/A	N/A	04/07/2005	WMS1050407
Isopropylbenzene	ND	1	1	µg/L	N/A	N/A	N/A	04/07/2005	WMS1050407
Methyl-t-butyl Ether	ND	1	1	µg/L	N/A	N/A	N/A	04/07/2005	WMS1050407
Methylene Chloride	ND	1	5	µg/L	N/A	N/A	N/A	04/07/2005	WMS1050407
n-Butylbenzene	ND	1	5	µg/L	N/A	N/A	N/A	04/07/2005	WMS1050407
n-Propylbenzene	ND	1	5	µg/L	N/A	N/A	N/A	04/07/2005	WMS1050407
Naphthalene	ND	1	5	µg/L	N/A	N/A	N/A	04/07/2005	WMS1050407
p-Isopropyltoluene	ND	1	5	µg/L	N/A	N/A	N/A	04/07/2005	WMS1050407
Pentachloroethane	ND	1	0.5	µg/L	N/A	N/A	N/A	04/07/2005	WMS1050407
sec-Butylbenzene	ND	1	5	µg/L	N/A	N/A	N/A	04/07/2005	WMS1050407
Styrene	ND	1	0.5	µg/L	N/A	N/A	N/A	04/07/2005	WMS1050407
tert-Amyl Methyl Ether	ND	1	5	µg/L	N/A	N/A	N/A	04/07/2005	WMS1050407
tert-Butanol (TBA)	ND	1	10	µg/L	N/A	N/A	N/A	04/07/2005	WMS1050407
tert-Butyl Ethyl Ether	ND	1	5	µg/L	N/A	N/A	N/A	04/07/2005	WMS1050407
tert-Butylbenzene	ND	1	5	µg/L	N/A	N/A	N/A	04/07/2005	WMS1050407
Tetrachloroethene	ND	1	0.5	µg/L	N/A	N/A	N/A	04/07/2005	WMS1050407
Tetrahydrofuran	ND	1	20	µg/L	N/A	N/A	N/A	04/07/2005	WMS1050407
Toluene	ND	1	0.5	µg/L	N/A	N/A	N/A	04/07/2005	WMS1050407
trans-1,2-Dichloroethene	ND	1	0.5	µg/L	N/A	N/A	N/A	04/07/2005	WMS1050407
trans-1,3-Dichloropropene	ND	1	0.5	µg/L	N/A	N/A	N/A	04/07/2005	WMS1050407
trans-1,4-Dichloro-2-butene	ND	1	1	µg/L	N/A	N/A	N/A	04/07/2005	WMS1050407
Trichloroethene	ND	1	0.5	µg/L	N/A	N/A	N/A	04/07/2005	WMS1050407
Trichlorofluoromethane	ND	1	0.5	µg/L	N/A	N/A	N/A	04/07/2005	WMS1050407
Vinyl Acetate	ND	1	5	µg/L	N/A	N/A	N/A	04/07/2005	WMS1050407
Vinyl Chloride	ND	1	0.5	µg/L	N/A	N/A	N/A	04/07/2005	WMS1050407
Xylenes, Total	ND	1	0.5	µg/L	N/A	N/A	N/A	04/07/2005	WMS1050407

Surrogate	Surrogate Recovery	Control Limits (%)	Analyzed by: Xbian
4-Bromofluorobenzene	97.0	75 - 125	Reviewed by: MTU
Dibromofluoromethane	108	75 - 125	
Toluene-d8	101	75 - 125	

Entech Analytical Labs, Inc.

3334 Victor Court , Santa Clara, CA 95054

Phone: (408) 588-0200

Fax: (408) 588-0201

Remediation Risk Management-SC
2560 Soquel Ave., Suite 202
Santa Cruz, CA 95062
Attn: Ed Buskirk

Project Number: FA19
Project Name: FA19
Date Received: 4/6/2005
P.O. Number: FA19
Sample Collected by: Client

Certificate of Analysis - Data Report

Lab #: 43090-003 Sample ID: MW-3 Matrix: Liquid Sample Date: 4/5/2005 11:23 AM

Method: GC-MS - Gas Chromatography/Mass Spectrometry (GC/MS)

Prep Method: EPA 5030B - Purge-and-Trap for Aqueous Samples

Parameter	Result	Flag	DF	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
TPH as Gasoline	ND		1	25	µg/L	N/A	N/A	04/07/2005	WMS1050407
Surrogate Surrogate Recovery Control Limits (%)									
4-Bromofluorobenzene	98.6			75 - 125				Analyzed by: Xbian	
Dibromofluoromethane	112			75 - 125				Reviewed by: MTU	
Toluene-d8	106			75 - 125					

Entech Analytical Labs, Inc.

3334 Victor Court , Santa Clara, CA 95054

Phone: (408) 588-0200

Fax: (408) 588-0201

Quality Control - Method Blank

Liquid

QC Batch ID: WMS1050407

Validated by: MTU - 04/08/05

QC Batch ID Analysis Date: 4/7/2005

Method Blank Method: EPA 8260B

Parameter	Result	DF	PQLR	Units
1,1,1,2-Tetrachloroethane	ND	1	0.5	µg/L
1,1,1-Trichloroethane	ND	1	0.5	µg/L
1,1,2,2-Tetrachloroethane	ND	1	0.5	µg/L
1,1,2-Trichloroethane	ND	1	0.5	µg/L
1,1-Dichloroethane	ND	1	0.5	µg/L
1,1-Dichloroethene	ND	1	0.5	µg/L
1,1-Dichloropropene	ND	1	0.5	µg/L
1,2,3-Trichlorobenzene	ND	1	5	µg/L
1,2,3-Trichloropropane	ND	1	0.5	µg/L
1,2,4-Trichlorobenzene	ND	1	5	µg/L
1,2,4-Trimethylbenzene	ND	1	5	µg/L
1,2-Dibromo-3-Chloropropane	ND	1	5	µg/L
1,2-Dibromoethane (EDB)	ND	1	0.5	µg/L
1,2-Dichlorobenzene	ND	1	0.5	µg/L
1,2-Dichloroethane	ND	1	0.5	µg/L
1,2-Dichloropropane	ND	1	0.5	µg/L
1,3,5-Trimethylbenzene	ND	1	5	µg/L
1,3-Dichlorobenzene	ND	1	0.5	µg/L
1,3-Dichloropropane	ND	1	0.5	µg/L
1,4-Dichlorobenzene	ND	1	0.5	µg/L
1,4-Dioxane	ND	1	50	µg/L
2,2-Dichloropropane	ND	1	0.5	µg/L
2-Butanone (MEK)	ND	1	20	µg/L
2-Chloroethyl-vinyl Ether	ND	1	5	µg/L
2-Chlorotoluene	ND	1	5	µg/L
2-Hexanone	ND	1	20	µg/L
4-Chlorotoluene	ND	1	5	µg/L
4-Methyl-2-Pentanone(MIBK)	ND	1	20	µg/L
Acetone	ND	1	20	µg/L
Acetonitrile	ND	1	5	µg/L
Acrolein	ND	1	5	µg/L
Acrylonitrile	ND	1	5	µg/L
Benzene	ND	1	0.5	µg/L
Benzyl Chloride	ND	1	5	µg/L
Bromobenzene	ND	1	0.5	µg/L
Bromochloromethane	ND	1	0.5	µg/L
Bromodichloromethane	ND	1	0.5	µg/L
Bromoform	ND	1	0.5	µg/L
Bromomethane	ND	1	0.5	µg/L
Carbon Disulfide	ND	1	0.5	µg/L
Carbon Tetrachloride	ND	1	0.5	µg/L
Chlorobenzene	ND	1	0.5	µg/L
Chloroethane	ND	1	0.5	µg/L
Chloroform	ND	1	0.5	µg/L
Chloromethane	ND	1	0.5	µg/L

Entech Analytical Labs, Inc.

3334 Victor Court, Santa Clara, CA 95054 Phone: (408) 588-0200 Fax: (408) 588-0201

Quality Control - Method Blank

Liquid

QC Batch ID: WMS1050407

Validated by: MTU - 04/08/05

QC Batch ID Analysis Date: 4/7/2005

Method Blank	Method: EPA 8260B			
Parameter	Result	DF	PQLR	Units
cis-1,2-Dichloroethene	ND	1	0.5	µg/L
cis-1,3-Dichloropropene	ND	1	0.5	µg/L
Cyclohexanone	ND	1	20	µg/L
Dibromochloromethane	ND	1	0.5	µg/L
Dibromomethane	ND	1	0.5	µg/L
Dichlorodifluoromethane	ND	1	0.5	µg/L
Diisopropyl Ether	ND	1	5	µg/L
Ethyl Benzene	ND	1	0.5	µg/L
Freon 113	ND	1	5	µg/L
Hexachlorobutadiene	ND	1	5	µg/L
Iodomethane	ND	1	1	µg/L
Isopropanol	ND	1	20	µg/L
Isopropylbenzene	ND	1	1	µg/L
Methyl-t-butyl Ether	ND	1	1	µg/L
Methylene Chloride	ND	1	5	µg/L
n-Butylbenzene	ND	1	5	µg/L
n-Propylbenzene	ND	1	5	µg/L
Naphthalene	ND	1	5	µg/L
p-Isopropyltoluene	ND	1	5	µg/L
Pentachloroethane	ND	1	0.5	µg/L
sec-Butylbenzene	ND	1	5	µg/L
Styrene	ND	1	0.5	µg/L
tert-Amyl Methyl Ether	ND	1	5	µg/L
tert-Butanol (TBA)	ND	1	10	µg/L
tert-Butyl Ethyl Ether	ND	1	5	µg/L
tert-Butylbenzene	ND	1	5	µg/L
Tetrachloroethene	ND	1	0.5	µg/L
Tetrahydrofuran	ND	1	20	µg/L
Toluene	ND	1	0.5	µg/L
trans-1,2-Dichloroethene	ND	1	0.5	µg/L
trans-1,3-Dichloropropene	ND	1	0.5	µg/L
trans-1,4-Dichloro-2-butene	ND	1	1	µg/L
Trichloroethene	ND	1	0.5	µg/L
Trichlorofluoromethane	ND	1	0.5	µg/L
Vinyl Acetate	ND	1	5	µg/L
Vinyl Chloride	ND	1	0.5	µg/L
Xylenes, Total	ND	1	0.5	µg/L

Surrogate for Blank	% Recovery	Control Limits
4-Bromofluorobenzene	96.5	75 - 125
Dibromofluoromethane	102	75 - 125
Toluene-d8	101	75 - 125

Entech Analytical Labs, Inc.

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Quality Control - Laboratory Control Spike / Duplicate Results

Liquid

Reviewed by: MTU - 04/08/05

QC BatchID: WMS1050407

Analysis Date: 4/7/2005

Method: EPA 8260B		Conc. Units: µg/L						
LCS		Blank (MDL)	Spike Amt	SpikeResult	% Recovery	RPD	RPD Limits	Recovery Limits
1,1-Dichloroethene		<0.2	20	17	87.0			80 - 120
Benzene		<0.2	20	20	98.0			80 - 120
Chlorobenzene		<0.2	20	20	97.5			80 - 120
Methyl-t-butyl Ether		<0.3	20	21	107			80 - 120
Toluene		<0.2	20	19	95.5			80 - 120
Trichloroethene		<0.2	20	18	89.5			80 - 120

Surrogate	% Recovery	Control Limits
4-Bromofluorobenzene	96.4	75 - 125
Dibromofluoromethane	95.9	75 - 125
Toluene-d8	95.8	75 - 125

Method: EPA 8260B		Conc. Units: µg/L						
LCSD		Blank (MDL)	Spike Amt	SpikeResult	% Recovery	RPD	RPD Limits	Recovery Limits
1,1-Dichloroethene		<0.2	20	17	87.0	0.0	25.0	80 - 120
Benzene		<0.2	20	19	95.0	3.1	25.0	80 - 120
Chlorobenzene		<0.2	20	19	95.0	2.6	25.0	80 - 120
Methyl-t-butyl Ether		<0.3	20	21	106	1.4	25.0	80 - 120
Toluene		<0.2	20	19	93.0	2.7	25.0	80 - 120
Trichloroethene		<0.2	20	18	90.0	0.56	25.0	80 - 120

Surrogate	% Recovery	Control Limits
4-Bromofluorobenzene	94.2	75 - 125
Dibromofluoromethane	98	75 - 125
Toluene-d8	94.7	75 - 125

Entech Analytical Labs, Inc.

3334 Victor Court , Santa Clara, CA 95054 Phone: (408) 588-0200 Fax: (408) 588-0201

Quality Control - Method Blank

Liquid

QC Batch ID: WMS1050407

Validated by: MTU - 04/08/05

QC Batch ID Analysis Date: 4/7/2005

Method Blank Method: GC-MS

Parameter	Result	DF	PQLR	Units
TPH as Gasoline	ND	1	25	µg/L
Surrogate for Blank % Recovery Control Limits				
4-Bromofluorobenzene	98.1	75 - 125		
Dibromofluoromethane	106	75 - 125		
Toluene-d8	105	75 - 125		

Quality Control - Laboratory Control Spike / Duplicate Results

Liquid

Reviewed by: MTU - 04/08/05

QC BatchID: WMS1050407

Analysis Date: 4/7/2005

Method: GC-MS

Parameter	Blank (MDL)	Spike Amt	SpikeResult	% Recovery	RPD	RPD Limits	Recovery Limits	Conc. Units: µg/L
TPH as Gasoline	<6	130	140	115			65 - 135	
Surrogate % Recovery Control Limits								
4-Bromofluorobenzene	99.8	75 - 125						
Dibromofluoromethane	104	75 - 125						
Toluene-d8	106	75 - 125						

Method: GC-MS

Parameter	Blank (MDL)	Spike Amt	SpikeResult	% Recovery	RPD	RPD Limits	Recovery Limits	Conc. Units: µg/L
TPH as Gasoline	<6	130	140	111	4.0	25.0	65 - 135	
Surrogate % Recovery Control Limits								
4-Bromofluorobenzene	98.3	75 - 125						
Dibromofluoromethane	104	75 - 125						
Toluene-d8	105	75 - 125						

Entech Analytical Labs, Inc. Chain of Custody / Analysis Request

3334 Victor Court
Santa Clara, CA 95054
(408) 588-0200
(408) 588-0201 - Fax

Attention to:	E D EDD Report		Purchase Order No.:	Invoice to: (If Different)		Phone:
Company Name:	F A 19		Project No.:	Company:		Phone:
Mailing Address:			Project Name:			Quote No.:
Global ID:	ED@RRMSC.COM		Project Location:			
City:	CA	Zip Code:	370 COOK ST	City:		
Sampler:	Field Org. Code:	Turn Around Time	No. of Containers	GC/MS Methods		General Chemistry
S. MEETZ		<input type="checkbox"/> Same Day <input type="checkbox"/> 2 Day <input type="checkbox"/> 4 Day <input checked="" type="checkbox"/> 10 Day	1 3 5			
Order ID:	Sample		Matrix	GC Methods		General Chemistry
Client ID / Field Point	Lab. No.	Date	Time			
MW - 1	43090-001	04-05-05	1024			
MW - 2	002	↓	1051			
MW - 3	003	↓	1123			
Special Instructions or Comments						
Relinquished by:	Date:	Received by:	Date:	Time:	Received by:	Date:
Relinquished by:	Date:	Received by:	Date:	Time:	Received by:	Date:
Relinquished by:	Date:	Received by:	Date:	Time:	Received by:	Date:
Metals: Al, As, Sb; Ba, Be, Bi, B, Cd, Ce, Ca, Cr, Co, Cs, Cu, Fe, Pb, Mg, Mn, Ga, Ge, Hg, In, Li, Mo, Ni, P, K, Si, Ag, Na, S, Se, Sr, Ta, Te, Ti, Sn, V, W, Zr						
EDD Report <input type="checkbox"/> EDF Report <input checked="" type="checkbox"/>						
Plating <input type="checkbox"/> LUFT-5 <input type="checkbox"/> RCRA-8 <input type="checkbox"/> PPM-13 <input type="checkbox"/> CAM-17 <input type="checkbox"/>						

June 2004

Field Data Sheet

Groundwater Sampling Form

Site Information

320 Coral Street

Project Address

Santa Cruz

City

Santa Cruz

County

MW-1
Well/Sample Point ID

FA19
Project Number

California

State

Purge Information

Water Level Equipment

- Electronic Indicator
- Oil Water Interface Probe
- Other (specify) _____

Purge Equipment

- Bailer
- Disposable
- Teflon #: _____
- Submersible Pump; type: _____
- Other (specify) _____

Purge Calculation	
total depth	20.0
depth to water	0.41
linear feet of water	19.59
gallons per linear foot X	0.17
gallons per casing	3.33
number of casings X	3
calculated purge	9.99

casing diameter	gallons per linear foot
0.75 in.	0.023
1 in.	0.04
2 in.	0.17
4 in.	0.67
6 in.	1.5
other	calculate
1 cubic foot = 7.48 gallons	

Purged By:

D. Lumentado

name

Purge Notes:

Purged Dry? N circle Y

Sampling Delay? N circle Y

	time (24:00)	gallons (purged)	pH (units)	EC (μ s @ 25°C)	temp (°F circle °C)	color (see below)	turbity (NTU or see below)	odor (see below)
start	1004	0						
volume 1	1009	3	7.42	523	16.7	Brown	Heavy	N/A
volume 2	1013	6	7.20	510	16.5	"	mod	"
volume 3	1019	10	7.22	518	16.4	"	"	"
volume 4								
complete								

brown, yellow
cloudy, clear

heavy, moderate
light, trace

strong, moderate
slight, none

Groundwater Sampling Information

Sample Type

- Monitoring Well
- Extraction Well
- Domestic Well
- Other (specify) _____

Sampling Equipment

- Bailer
- Disposable
- Teflon #: _____
- Submersible Pump; type: _____
- Sampling Port
- Other (specify) _____

Sample ID	Date	Time (24:00)
MW-1	04-05-05	1024
Dupe #		12:00

Sampled By:

D. Lumentado

name

Sampling Notes:

# of Cont.	Analyses (check and circle)	Container/Size	Preservative
3	<input type="checkbox"/> TPH gas (8015M) <input type="checkbox"/> BTEX (8020 or 8260B) <input type="checkbox"/> MtBE (8020 or 8260B) <input type="checkbox"/> Fuel Oxy (8260B) <input type="checkbox"/> Other (specify) _____	40 ml VOA	HCl
	<input type="checkbox"/> VOCs (8010 or 8240 or 8260B) <input type="checkbox"/> TPH diesel (8015M) <input type="checkbox"/> Metals (8010) <input type="checkbox"/> Other (specify) _____	40 ml VOA 1 liter amber 500 ml plastic	HCl none HNO ₃

Signature:

Field Data Sheet

Groundwater Sampling Form

Site Information

320 Coral Street
Project Address

MW-2
Well/Sample Point ID

FA19
Project Number

Santa Cruz
City

Santa Cruz
County

California
State

Purge Information

Water Level Equipment

- Electronic Indicator
- Oil Water Interface Probe
- Other (specify) _____

Purge Equipment

- Bailer
 - Disposable
 - Teflon #: _____
- Submersible Pump; type: _____
 - Other (specify) _____

Purge Calculation	
total depth	20.0
depth to water	2.38
linear feet of water	17.62
gallons per linear foot X	0.17
gallons per casing	2.99
number of casings X	3
calculated purge =	9

casing diameter	gallons per linear foot
0.75 in.	0.023
1 in.	0.04
2 in.	0.17
4 in.	0.67
6 in.	1.5
other	calculate

1 cubic foot = 7.48 gallons

Purged By:

D. LUNENTAD

name

Purge Notes:

Purged Day?: N circle Y

Sampling Delay?: N circle Y

	time (24:00)	gallons (purged)	pH (units)	EC (µs @ 25°C)	temp (°F circle °C)	color (see below)	turbity (NTU or see below)	odor (see below)
start	1035	0						
volume 1	1038	3	7.23	576	19.3	Brown	Heavy	No O
volume 2	1044	6	7.17	568	18.8	"	"	"
volume 3	1048	9	7.17	566	18.8	"	"	"
volume 4								
complete								

brown, yellow
cloudy, clear

heavy, moderate
light, trace

strong, moderate
slight, none

Groundwater Sampling Information

Sample Type

- Monitoring Well
- Extraction Well
- Domestic Well
- Other (specify) _____

Sampling Equipment

- Bailer
 - Disposable
 - Teflon #: _____
- Submersible Pump; type: _____
 - Sampling Port
 - Other (specify) _____

Sample ID	Date	Time (24:00)
MW-2	04-05-05	1051
Dupe #	12:00	

Sampled By:

D. LUNENTAD

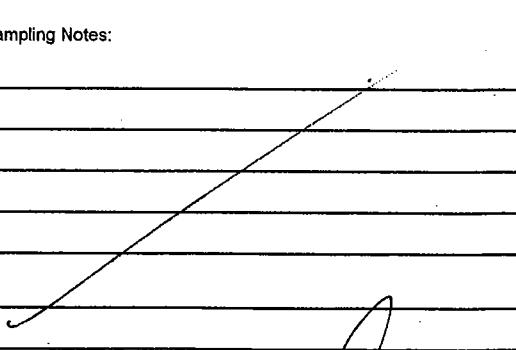
name

Sampling Notes:

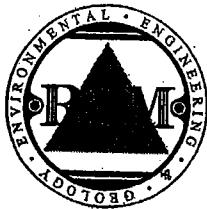
Signature:

Field Data Sheet

Groundwater Sampling Form

Site Information		MW-3 Well/Sample Point ID	FA19 Project Number																																																																
320 Coral Street Project Address	Santa Cruz County	California State																																																																	
Purge Information																																																																			
Water Level Equipment		Purge Equipment																																																																	
<input checked="" type="checkbox"/> Electronic Indicator	<input checked="" type="checkbox"/> Bailer	<input checked="" type="checkbox"/> Disposable	<input type="checkbox"/> Teflon #: _____																																																																
<input type="checkbox"/> Oil Water Interface Probe	<input type="checkbox"/> Submersible Pump; type: _____																																																																		
<input type="checkbox"/> Other (specify) _____	<input type="checkbox"/> Other (specify) _____																																																																		
Purge Calculation		Purged By: <i>D. Aumentado</i> name																																																																	
total depth <u>20.0</u> depth to water = <u>1.84</u> linear feet of water = <u>18.16</u> gallons per linear foot X <u>0.17</u> gallons per casing = <u>3.08</u> number of casings X <u>3</u> calculated purge = <u>9.24</u>		casing diameter	gallons per linear foot																																																																
		0.75 in.	<input type="checkbox"/> 0.023																																																																
		1 in.	<input type="checkbox"/> 0.04																																																																
		2 in.	<input checked="" type="checkbox"/> 0.17																																																																
		4 in.	<input type="checkbox"/> 0.67																																																																
		6 in.	<input type="checkbox"/> 1.5																																																																
		other	<input type="checkbox"/> calculate																																																																
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		Purge Notes:																																																																	
		Purged Dry? <input checked="" type="checkbox"/> N <input type="checkbox"/> Y Sampling Delay? <input checked="" type="checkbox"/> N <input type="checkbox"/> Y																																																																	
<table border="1"> <thead> <tr> <th></th> <th>time (24:00)</th> <th>gallons (purged)</th> <th>pH (units)</th> <th>EC (μs @ 25°C)</th> <th>temp (°F circle °C)</th> <th>color (see below)</th> <th>turbity (NTU or see below)</th> <th>odor (see below)</th> </tr> </thead> <tbody> <tr> <td>start</td> <td><u>1103</u></td> <td>0</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>volume 1</td> <td><u>1108</u></td> <td><u>3</u></td> <td><u>7.12</u></td> <td><u>544</u></td> <td><u>49.3</u></td> <td>Brown</td> <td>mod-</td> <td>N.D.</td> </tr> <tr> <td>volume 2</td> <td><u>1113</u></td> <td><u>6</u></td> <td><u>7.13</u></td> <td><u>533</u></td> <td><u>48.4</u></td> <td>"</td> <td>"</td> <td>"</td> </tr> <tr> <td>volume 3</td> <td><u>1118</u></td> <td><u>9.5</u></td> <td><u>7.14</u></td> <td><u>536</u></td> <td><u>48.1</u></td> <td>"</td> <td>"</td> <td>"</td> </tr> <tr> <td>volume 4</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>complete</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table>			time (24:00)	gallons (purged)	pH (units)	EC (μ s @ 25°C)	temp (°F circle °C)	color (see below)	turbity (NTU or see below)	odor (see below)	start	<u>1103</u>	0							volume 1	<u>1108</u>	<u>3</u>	<u>7.12</u>	<u>544</u>	<u>49.3</u>	Brown	mod-	N.D.	volume 2	<u>1113</u>	<u>6</u>	<u>7.13</u>	<u>533</u>	<u>48.4</u>	"	"	"	volume 3	<u>1118</u>	<u>9.5</u>	<u>7.14</u>	<u>536</u>	<u>48.1</u>	"	"	"	volume 4									complete									brown, yellow cloudy, clear	heavy, moderate light, trace	strong, moderate slight, none
	time (24:00)	gallons (purged)	pH (units)	EC (μ s @ 25°C)	temp (°F circle °C)	color (see below)	turbity (NTU or see below)	odor (see below)																																																											
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volume 1	<u>1108</u>	<u>3</u>	<u>7.12</u>	<u>544</u>	<u>49.3</u>	Brown	mod-	N.D.																																																											
volume 2	<u>1113</u>	<u>6</u>	<u>7.13</u>	<u>533</u>	<u>48.4</u>	"	"	"																																																											
volume 3	<u>1118</u>	<u>9.5</u>	<u>7.14</u>	<u>536</u>	<u>48.1</u>	"	"	"																																																											
volume 4																																																																			
complete																																																																			
Groundwater Sampling Information																																																																			
Sample Type		Sampling Equipment																																																																	
<input checked="" type="checkbox"/> Monitoring Well	<input checked="" type="checkbox"/> Bailer	<input checked="" type="checkbox"/> Disposable	<input type="checkbox"/> Teflon #: _____																																																																
<input type="checkbox"/> Extraction Well	<input type="checkbox"/> Submersible Pump; type: _____																																																																		
<input type="checkbox"/> Domestic Well	<input type="checkbox"/> Sampling Port																																																																		
<input type="checkbox"/> Other (specify) _____	<input type="checkbox"/> Other (specify) _____																																																																		
Sample ID	Date	Time (24:00)																																																																	
<u>MW-3</u>	<u>04-05-05</u>	<u>123</u>																																																																	
Dupe #	Sampled By: <i>D. Aumentado</i> name																																																																		
# of Cont.	Analyses (check and circle)	Container/Size	Preservative																																																																
<u>3</u>	<input type="checkbox"/> TPH gas (8015M) <input type="checkbox"/> BTEX (8020 or 8260B) <input type="checkbox"/> MtBE (8020 or 8260B) <input type="checkbox"/> Fuel Oxy (8260B) <input type="checkbox"/> Other (specify) _____	40 ml VOA	<u>HCl</u>																																																																
	<input type="checkbox"/> VOCs (8010 or 8240 or 8260B) <input type="checkbox"/> TPH diesel (8015M) <input type="checkbox"/> Metals (8010) <input type="checkbox"/> Other (specify) _____	40 ml VOA 1 liter amber 500 ml plastic	HCl none HNO ₃																																																																
Sampling Notes:																																																																			
																																																																			
Signature: _____																																																																			

Field Data Sheet
Depth to Water Data Form



2560 SOQUEL AVENUE, SUITE E
SANTA CRUZ, CALIFORNIA 95062
TEL: 831.475.8141
FAX: 831.475.8249

FIELD
DATA SHEET

Client: WYLIE PROPERTY	Project #: FA 19
Job Address: 320 CORAL ST.	Date: 04-05-01
Weather Conditions: sunny	Personnel: D. Amonette
Equipment on site: MECH, GWS EQUIP	
Arrival Time: 0910	
Departure Time: 1137	

FIELD NOTES:

- ARRIVED ON-SITE, CHECK-IN w/ ON-SITE PERSONNEL, REVIEW DRUM STATUS, TAKE DRUM WATER ABOVE TOC'S.
- SAMPLE ALL WELLS, RETURN TO OFFICE
- 1 FULL DRUM ON-SITE.

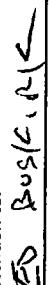
Signature:

Entech Analytical Labs, Inc.

3334 Victor Court
Santa Clara, CA 95054
(408) 588-0200
(408) 588-0201 - Fax

Chain of Custody / Analysis Request

Attention to:

 Busc, R. L.

Phone No.:

831 - 475 - 8141

Fax No.:

831 - 475 - 8249

Company Name:

RPM, Inc.

Mailing Address:

2560 80th Ave #201

City:

Santa Clara

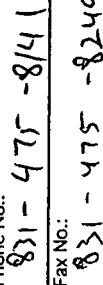
State:

CA

Zip Code:

95062

Email Address:

 EDR@RPMSC.COM

Project Name:

WYKIE PROPERTY

Purchase Order No.:

FA 19

Project No.:

Company:

Invoice to: (If Different)

Phone:

Quote No.:

Billing Address: (If Different)

City:

State:

Zip:

Project Location:

320 Creek St

Project Code:

91062

City:

State:

Zip:

Phone:

Quote No.:

Remarks:

Method:

Sample:

Field Org. Code:

Turn Around Time:

Same Day

1 Day

2 Day

3 Day

4 Day

5 Day

10 Day

Order ID:

TO60879975

Client ID / Field Point

MW - 1

Lab. No.

04 - 05 - 05

Date

04-05-05

Time

10:47

Matrix

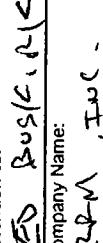
EPA 8260B

Sample

No. of Containers

3

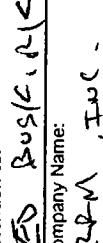
Received by:



Date:

Time:

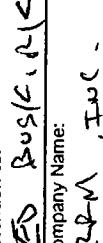
Received by:



Date:

Time:

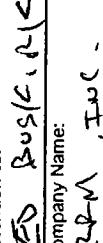
Received by:



Date:

Time:

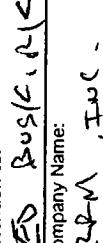
Relinquished by:



Date:

Time:

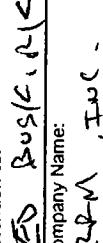
Relinquished by:



Date:

Time:

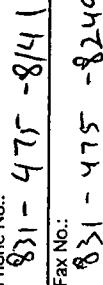
Relinquished by:



Date:

Time:

Special Instructions or Comments



EDD Report

EDF Report

Plating

LUFT-5

RCRA-8

PPM-13

CAM-17

Metals:

Al, As, Sb, Ba, Be, Bi, B, Cd, Ce, Ca, Cr, Co, Cs, Cu, Fe, Pb, Mg, Mn, Ga, Ge, Hg, In, Li, Mo, Ni, P, K, Si, Ag, Na, S, Se, Sr, Ta, Te, Ti, Sn, V, W, Zr

June 2004

ATTACHMENT C

CASE CLOSURE SUMMARY

CASE CLOSURE SUMMARY
Leaking Underground Fuel Storage Tank Program

I. Agency Information

Agency Name: RWQCB - Central Coast Region	Address: 895 Aerovista Place, Suite 101
City/State/Zip: San Luis Obispo, CA 93401-7906	Phone: (805) 549-3147
Responsible Staff person: Tom Sayles	Title: Associate Engineering Geologist

II. Case Information

Site Facility Name: Commercial Building	RWQCB Case #:	
Site Facility Address: 320 Coral Street, Santa Cruz, CA		
Responsible Parties	Address	Phone Number
Mr. James Wylie	P.O. Box 208, Aptos, CA 95001	8316884623
Property Owner		
Mr. James Wylie	P.O. Box 208, Aptos, CA 95001	8316884623

III. Tank Information

Tank #	Size in Gallons	Contents	Closed in Place/Removed	Date
1	600	Gasoline	Removed	8/03/2000
2				
3				
4				
5				

IV. Release and Site Characterization Information

Cause and Type of Release: Tank leak		
Site Characterization Complete? Yes	Date Approved by Oversight Agency:	
Monitoring Wells Installed? Yes	Number: 3	Proper Screened interval? Yes
Highest GW Depth Below Ground Surface: Groundwater is confined; encountered at 6 to 7 feet, stabilized at 0.41 feet	Lowest: 6-7 feet	Flow Direction: East
Most Sensitive Current GW Use: Limited groundwater recharge		
Are Drinking Water Wells Affected? No	Aquifer Name: NA	
Is Surface Water Affected? No	Nearest affected SW name: NA	
Off-site Beneficial Use Impacts (addresses/locations): None		

CASE CLOSURE SUMMARY
Leaking Underground Storage Tank Program

Page 2

V. Treatment/Disposal Methods (Attach any additional information)

Material	Amount (Include Units)	Action (Treatment or Disposal Method)	Date
Tanks	1 Tank	Disposed of at Ecology Control Industries, Richmond, CA	8/03/2000
Piping	Fill pipe only, 2-3 feet	Recycled	8/03/2000
Free Product	Observed in tank pit, removed during soil over excavation dewatering	Disposed of as described under groundwater of this table	10/8/1999
Soil	140 yd ³	Disposed of at Ox Mountain Class III Landfill, Half Moon Bay, CA	9/09/2000
Ground Water	3,050 gallons	Disposed 550 gallons at Bayside Oil Company Inc., in Santa Clara, CA and 2,500 gallons at Seaport Environmental in Redwood City, CA	9/5/2000 and 10/8/1999, respectively

Maximum Documented Contaminant Concentrations--Before and After Cleanup

Contaminant	Soil (mg/kg)		Water (µg/L)		Contaminant	Soil (mg/kg)		Water (µg/L)	
	Before	After	Before	After		Before	After	Before	After
TPH (Gas)	NA	6.3	30,000	ND	1,2-DCA	NA	NA	NA	NA
TPH (Diesel)	NA	NA	NA	NA	Oil & Grease	NA	NA	NA	NA
Benzene	NA	0.84	1,600	ND	Lead	NA	NA	NA	NA
Toluene	NA	0.51	8,000	ND	MTBE	NA	ND	ND	ND
Ethylbenzene	NA	0.12	1,200	ND	Other (VOCs)	NA	NA	NA	ND
Xylenes	NA	0.39	7,300	ND					

Comments:

Groundwater within tank pit, therefore, a groundwater sample was collected instead of a soil sample from beneath the tank.

Maximum, before and after water data, generated from groundwater samples collected from site wells after site remediation activities.

NA = not analyzed or not applicable

VI. Closure

Does completed corrective action protect existing beneficial uses per the Basin Plan? Yes
Does completed corrective action protect potential beneficial uses per the Basin Plan? Yes
Does corrective action protect public health for current land use? Yes
Site Management Requirements: NA
Should corrective action be reviewed if land use changes? NA
Monitoring Wells Decommissioned? Pending

CASE CLOSURE SUMMARY

Leaking Underground Storage Tank Program

Page 3

List Enforcement Actions Taken: NA
List Enforcement Actions Rescinded: NA

VII. Local Agency Representative Data

Agency: Santa Cruz County Health Services Agency	Address: 701 Ocean Street
City/State/Zip: Santa Cruz, CA 95060-4073	Phone: 831 454 2022
Responsible Staff Person: Steve Baiocchi	Title: Senior Environmental Health Specialist

VIII. Additional Comments

IX. Regional Board Certification

Signature of Executive Officer _____ **Date:** _____

CASE CLOSURE SUMMARY
Leaking Underground Storage Tank Program

Page 4

1. Listing of Reports

WHA, October 27, 2000, "Interim Remedial Action: Limited Excavation of Contaminated Soil following the Closure of an Abandoned Fuel Storage Tank (gasoline) at 320 Coral Street, Santa Cruz", Weber Hayes and Associates, Watsonville, California.

WHA, March 20, 2001, Work Plan: Delineation Investigation and Monitoring Well Installation for A Fuel Release - 320 Coral Street, Santa Cruz, California", Weber Hayes and Associates, Watsonville, California.

RRM, October 15, 2002, "Revised Site Plan and Sampling and Analyses Quality Assurance Program Plan", Remediation Risk Management, Santa Cruz, California.

RRM, May 15, 2003, "Site Assessment Work Plan Addendum", Remediation Risk Management, Santa Cruz, California.

RRM, August 15, 2003, "Soil and Groundwater Investigation", Remediation Risk Management, Santa Cruz, California.

RRM, February 25, 2004, "Groundwater Monitoring Results - October 6, 2003", Remediation Risk Management, Santa Cruz, California.

RRM, April 13, 2005, "Groundwater Monitoring Results - Second Quarter 2005", Remediation Risk Management, Santa Cruz, California.

"I attest, under penalty of perjury, In accordance with Water Code section 13267, the following documents constitute the complete list of documents pertaining to waste discharged, hydrogeology and other information directly relevant to the characterization and cleanup of the waste discharged at the subject site."


Mr. James Wylie
Responsible Party

Date 4/18/05